APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

CEA-tr-R-1678 Uncl.

STIMULATION DE LA CROISSANCE DE LA RACINE DES PLANTES DE LA FAMILLE DES CHENOPODIACEES, DES CRUCIFERES ET DES OMBELLIFERES DANS DES SOLS DE TOURBIERE ET MINERAUX, PAR LES RAYONNEMENT γ DU RADIUM, DU COBALT ET PAR LES RAYONS X. (Stimulation of the Growth of the Roots of Plants of the Chenopodiaceae, Cruciferae, and Umbelliferae in Soils of Peat and Minerals by Radium and by X Rays). A. S. (C.) Palamarchuk. Translated into French from Ukr. Botan. Zh., 17: (1960). 27p.

Radiobiology; Translations MC-48

C-48 NP NSA $2.60(fs), $1.01(mf) JCL or OTS

N-4

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

Litvinenko, L. G.
THE EFFECT OF ORGANIC SUBSTANCES ON PHOTOSYNTHESIS AND RESPIRATION IN SOME BLACK SEA ALGAE (Vplyv Organichnykh Rechnovyn na Fotosyntez i Dykhannya Deyakykh Chernomors'kykh Vodorostei). Oct 61 [12]p. 23 refs. RTS 1954. Order from OTS or SLA $1.60 61-28673

Trans. of Ukrayins'kyi Botanichnyi Zhurnal (USSR) 1960, v. 17, no. 1, p. 12-18.

DESCRIPTORS: *Photosynthesis, *Respiration, *Algae, Black Sea, Organic compounds.

Algal respiration increased in solutions with small concs. of organic substances (0.2% glucose; 0.5, 0.2, 0.1% saccharose; 0.5% sodium acetate; 0.02% glycocoll) and was depressed in the presence of relatively high concs. of organic compounds (3, 0.5% glucose; 1% no- (Biological Sciences--Botany, TT, v. 7, no. 4) (over)

61-28673

I. Litvinenko, L. G.
II. RTS-1954
III. Department of Scientific and Industrial Research (Gt. Brit.)

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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Diatom Analysis of Brown Coal from the Vinogradov District of the Transcarpathian Region, by O. P. Oksiyuk.

RUSSIAN, par, Ukrain Botan Zhur, Vol XVII, No 1, 1960, pp 76-84.

MLL/RTS 1955

Sml - Min/Met

193, 820

Apr 62

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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17 (NY-4369)

The Scientific Activity of the Institute of Botany of the Academy of Sciences Ukrainian SSR, in 1959, by H. I. Bilyk, 14 pp.

UKRAINIAN, per, Ukrains'kiy Botan: Zhur, Vol XVII, No 2, 1960, pp 113-116.

JPRS 5135

Sci - Biology

122,984

Aug 60

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(DC-6040)

Sixthieth Birthday of V. A. Povarnitsyn,
by I. I. Poluboyarinov, 7 pp.

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Vol XVII, No 3, 1960, pp 85, 86.

JPRS 8951

USSR

173,685

Biog

Oct 61

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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Investigations of the Genus Botrydium Wallr. in Bulgaria, RM by D. G. Vodenicharov.

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MLL/RTS 1951

Sci - Biol

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Apr 62

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The Dynamics of Auxins in Germinating Tomato Seeds, by C. B. Boichuk.

RUSSIAN, per, Ukrain S Botan Zhur, Vol XXVII, No 5, 1960, pp 29-31.

NLL RTS 2182
(loan)

Sci -
Jul 63

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

(DC-6040)

Yelizavota Modestivna Bradis (60th Birthday Anniversary), by G. I. Bilyk, 8 pp.

UKRAINIAN, per, Ukrains'kyy Botanichnyy Zhurnal, Vol XVII, No 6, 1960, pp 100-102.

JPRS 8951

USSR

173,687

Biog

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

Vladimirova, K. S.
A NEW SPECIES OF BLUE-GREEN ALGA (Pro Novii Vid Sin'o-Zelenikh Vodorostei). Dec 61
[5]p. 6 refs. RTS 2005.
Order from OTS or SLA $1.10 62 13925

Trans. of Ukrayins'kyi Botanichnyi Zhurnal (USSR)
1961, v. 18 [no. 1] p. 96-98.

DESCRIPTORS: *Algae, Identification, *Lakes.

(Biological Sciences--Botany, TT, v. 7, no. 6)

62-13925

I. Vladimirova, K. S.
II. RTS-2005
III. Department of Scientific and Industrial Research (Gt. Brit.)

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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(NY-6503).

Concerning Soviet Botany and Mycology,
by G. I. Bilyk, M. Ya. Zerova, 16 pp.

RUSSIAN, per, Ukrayins'kyy Botanichnyy Zhurr,
Vol XVIII, No 2, 1961, pp 99-106.

JPRS 10172

S&T - Biology 169,798

Oct 61

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(NY-6503)

Activities of the Ukrainian Botanical Society in 1960, by A. I. Barbarych, V. V. Osychnyuk, No 3, Vol XVIII, 1961, pp 111-113. 5 pp.

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JPRS 10478

Sci - Biology

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Nov 61

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Two New Species of Characiaceae Algae, by
M. P. Masyuk.

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MLL RES 2210

Sci -
Jul 63

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A CAROTENE-CONTAINING ALGA FROM SALINE WATERS OF THE CRIMEA, BY N. P. MASYUK, 16 PP.

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JPRS 17881

SCI - BIOL

MAR 63

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PARTICIPATION OF PHOSPHOPYRIDNE NUCLEOTIDES IN THE RESPIRATION OF CHLORELLA, BY L. O. EYNOR, P. A..KOLESNIKOV, 10 PP.

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JPRS 19548

SCI - BIOL/MED SCI

JUN 63

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The Effect of Ionizing and Ultraviolet Radiation on Corn Seeds, by I. D. Sydofekno. RUSSIAN, per. Ukrainskyi Botanichnyi Zhurnal, Vol 19, No 2, 1962, pp 3-12. CFSTI TT 65-50025

Sci/Agri
Feb 66

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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Scientific Activity of the Institute of Botany, Academy of Sciences Ukrainian SSR in 1961, by Ye. G. Kopachevs'ka, 25 pp.

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JPRS 14,431

Sci - Biol
Oct 62

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Effect of Lighting Conditions on the Conversion of Green Pigments, by O. G. Sudyna, K.P. Dovbish, 15 pp.

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FTD-TT-62-1203

Sci-Biol
Dec 62

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The Dynamics of Auxins in Germinating Tomato Seeds, by C. B. Boichuk.

RUSSIAN, per, Ukrain B Botan Zhur, Vol XXVII, No 5, 1960, pp 23-31.

NLL RTS 2182
(loan)

Sci -
Jul 63

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Effect of Certain Forms of Nitrogen on the Productivity of Scenedesmus Quadricauda (Turp), by L. H. Lytvynenko, O. H. Volovyk. RUSSIAN, per, Ukrains Botan Zhur, Vol XIX, No 3, 1962, pp 28-33. NLL RTS-2256

Sci - Biol
Jul 66 305,310

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Ribonucleinic Acid as a Stimulator of Algae Growth, by V. P. Vendt, I. G. Drokova, 6 pp.

UKRAINIAN, per, Ukrainskiy Bot Zhur, Vol XIX, No 6, 1962, pp 60-63. 9668592

FTD-TT-63-291

Sci-Biol
May 63

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THE PERFORMANCE OF THE INSTITUTE OF BOTANY OF THE UKRAINIAN ACADEMY OF SCIMENCE IN 1962, BY V M PARSHIKOV, 12 PP

UKRAINIAN, PER, UKRAINS'KIY BOTANICHNYY ZURNAL, VOL XX, NO 2, 1963, PP 115-121.

JPRS 21058

SCI-MED
SEP 63

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Carotene Content in Dunaliella Salina
TEOD. Algae Under Conditions of
Laboratory Cultivations, by I. G. Drokova,
et al.
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1964, pp 44-49.
NASA TT F-10,433

Sci-BQM
Jan 67

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DC-2273

Against Bourgeois-Nationalistic Falsification of the History of the Ukraine, by R. G. Simonenko, 10 pp.

UKRAINIAN, jour, Ukrainskiy Istorichniy Zhur, No 3 Kiev, 1958, pp 158-162.

US JPRS/DC-L-1193

USSR - Ukraine SSR
Pol - Ukrainian history

77,233

Nov 58

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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Rosenfeld, L. E. and Lands, L. J.
VARIATIONS WITH AGE OF THE CHOLESTERINE, SATURATED AND UNSATURATED PHOSPHATIDES IN THE CENTRAL NERVOUS SYSTEM OF RABBITS. [1962] [9]p. 15 refs.
Order from OTS or SLA $1.10 62-14793

Trans. from [Ukrayins'kyi Biokhimichnyi Zhurnal] (USSR) 1940, v. 15, no. 2.

DESCRIPTORS: Age factors, *Nervous system, Brain, *Cholesterol, *Phospholipids, Lipids, Rabbits.

Cholesterine content in the different parts of rabbit brain increases with age, and more rapidly in the white substance than in the gray. The content of saturated and unsaturated phosphatides have the tendency to increase with age, however not evenly in the different age groups and rather less intensively than was observed in the case of cholesterine. In adult animals the amount of saturated and unsaturated phospharides diminishes. (Author)

62-14793

I. Rosenfeld, L. E.
II. Lands, L. J.

(Biological Sciences--Physiology, TT, v. 8, no. 4)
Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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Splitting of Diketogulonic Acid in the Tissues of the Animal Organism, 5 pp. UNCLASSIFIED

S. I. Vinokurov, L. N. Kuznetsova,
UKRAINIAN, per, Ukrainskii Biokhim Zhur, Vol XX, No 2, 1948, pp 266-268. CIA 9016084

NIH 3-6

58,699

Sci - Med

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New Data on Connective-Tissue Proteins, by V. N. Orekhovich, 13 pp.

RUSSIAN, per, Ukrainskii Biokhimichnii Zhurnal, Vol XXII, No 4, 1950, pp 455-461.

NIH 9-32

Scientific - Biology
Nov 56 CIS

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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Study of the Complex Formation of Myosin With Adenosine Triphosphoric and Adenosine Diphosphoric Acids, by A. G Sabaldir, 13 pp.

Full translation.

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NIH TR 79

Scientific - Chemistry

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Oct 55
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(FDD 21013)

A Method of Purifying Diphtheria Toxin and Antitoxin, by A. K. Sabaldyr, M. F. Hulyy, S. M. Terekhov, P. S. Astakhova, V. I. Kyemtsova, 12 pp.

UKRAINIAN, no per, Ukrainskiy Biokhimicheskiy Zhur, Vol XXIV, No 2, Kiev, Feb 1952, pp 137-147.

CIA/FDD/U-6387

USSR - Ukrain.
Sci - Medicine, laboratory procedures

18,216

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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(FDD 21014)

A Study of Preparation of Diphtheria Toxin and Antitoxin Purified and Concentrated by Precipitation at the Isoelectric Point, by S. M. Terekhov, P. S. Astakhova, V. I. Myemtsova, M. F. Hulyy, A. H. Sabaldyr, 18 pp.

UKRAINIAN, mo per, Ukrains'kiy Biokhimichniy Zhur, Vol XXIV, No 2, Kiev, Feb 1952, pp 149-157.

CIA/FDD/U-6388

USSR - Ukrain.
Sci - Medicine, laboratory procedures

18.215

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Phosphorylase and Glycogen in the Brain of Rabbits During Ontogenesis, by B. I. Khaykina, K. C. Goncharova, 8 pp.

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SLA 60-18522

Sci
Vol IV, No 11
May 62

197, 972

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(FDD 20161)

The Study of Subetance Exchange in Slices of Cerebral Cortex Level of ATP and Its Changes Caused by Glutamic Acid, by G. Ach, R, Dalash, F. B. Shtraub, 17 pp.

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CIA/FDD/U-5777

USSR
Sci - Med

13,040

Apr 54 CTS

1

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(FDD 20162)

Effect of Pervitine on Nuclein Acid Metabolism in the Brain, Liver and Blood, by I. E. Skvyrs'ka, T. P. Silich, 14 pp

XXV

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CIA/FDD/U-5778

USSR
Sci - Med

Apr 54 CTS

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(FDD 21391)

Effect of Stimulation of the Central Nervous System on the Metabolism in Muscles, by S. F. Epshtein, 4 pp.

RUSSIAN, qu per, Ukrains'kyy Biokhimichnyy Zhur, Vol XXV, No 3, Kiev, 1953, pp 255-257.

CIA/FDD/U-6136

USSR
Sci - Med

16, 614

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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(FDD 20163)

Carbohydrate and Fat Metabolism During Prolonged Physical Strain in Connection with the Condition of the Central Nervous System, by M. M. Yakovlev, 18 pp.

UKRAINIAN, sor Ukrainskyy Biokhimichnyy Zhurnal, Vol XXV, No 3, Kiev, 1953, pp 259-270.

CIA/FDD/U-5803

NIH Wh 3- 39a

USSR
Sci - Med

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(FID 2560)

Biochemical Changes in the Tissue and Fluids of the Eye During Traumats of the Nervous System. ReportII. Concentration of Ascorbic Acid and Protein, by Yu. O. Petrovich, 12 pp

UKRAINIAN, qu per, Ukr Biokhim Zhur, Vol XXVI, No 4, Kiev, 1954, pp 427-434.

CIA/FDD/U-8038

33,475

USSR
Sci - Medicine, biochemistry

Apr 56

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(FDD 25846)

The Crystalline Protein Fraction 0.50 From the Muscles of Animals (Myogen A) by P. D. Dvornikova, M. F. Guliy, O. Ya. Popadyuk, 11 pp.

UKRAINIAN, qu per, Ukrainskiy Biokhim Zhur, Vol XXVI, No 3, Kiev, 1954, pp 245-250.

CIA/FDD/U-7839

32,383

USSR
Sci - Biology, biochemistry

Feb 1956 CTS

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(FDD 25895)

The Nature of Muscular Phosphohexokinase, by M. F. Guliy, P. D. Dvornikova, O. Ya. Popadyuk, 18 pp.

UKRAINIAN, qu per, Ukrainskiy Biokhim Zhur, Vol XXVI, No 3, Kiev, 1954, pp 251-261.

CIA/FDD/U-7840

USSR
Sci - Biology, biochemistry 32.354

Feb 1956 CTS

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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(FDD 25603)

Method of Purifying Liver Xanthinoxidase of Healthy Animals and Those Having Malignant Tumors and Some Properties of This Enzyme, by V. P. Korotkoruchko, 19 pp.

UKRAINIAN, qu per, Ukr Biokhim Zhur, Vol XXVI, No 4, Kiev, XXXX 1954, pp 363-374.

CIA/FDD U-8024

33,622

USSR
Sci - Medicine, biochemistry

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(FDD 25604)

Biochemical Composition of Saliva During Conditioned and Unconditioned Feeding Reflexes, by T. P. Shesterikova, Ye. O. Sokolova, 14 pp.

UKRAINIAN, qu per, Ukr Biokhim Zhur, Vol XXVI, No 4, Kiev, 1954, pp 397-404.

CIA/FDD U-8025

33,621

USSR
Sci - Medicine, biochemistry

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(FDD 25605)

Changes in the Ascorbic Acid Level in the Blood and Tissues During a Burn, by M. F. Merezhinskiy, Ye. S. Yadvinskaya, V. S. Ivanova, 14 pp.

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CIM/FDD/U-8039

33,474

USSR
Sci - Medicine, biochemistry

Apr 56

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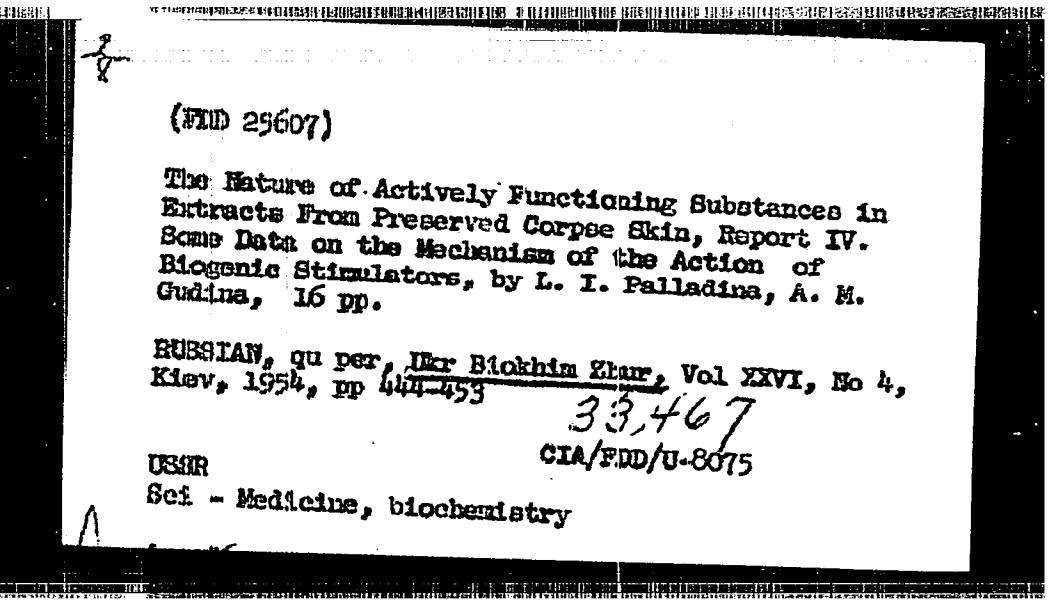

(FDD 25607)

The Nature of Actively Functioning Substances in Extracts From Preserved Corpse Skin, Report IV. Some Data on the Mechanism of the Action of Biogenic Stimulators, by L. I. Palladina, A. M. Gudina, 16 pp.

RUSSIAN, qu per, Ukr Biokhim Zhur, Vol XXVI, No 4, Kiev, 1954, pp 444-453

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CIA/FDD/U-8075

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Sci - Medicine, biochemistry

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Physico-Chemical Characteristics of the Soluble Proteins of the Crystalline Lens, by V. N. Orekhovich, K. F. Firfarova, V. O. Shpikiter, 14 pp.

RUSSIAN, per, Ukrain Biokhim Zhur, Vol XXVII, No 3. 1955, pp 355-363. CIA 9033803

NIH

Sci - Med, Chem
Nov 58

76, 715

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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(FDD 27793)

Metabolism of Certain Phosphoric Compounds in the Brain and in the Spinal Cord of Hibernating Animals, by E. B. Skvirs'ka, T. P. Silich, 13 pp.

UKRAINIAN, qu per, Ukrainskiy Biokhim Zhur, Vol XXVII, No 3, Kiev, 1955, pp 385-392.

CIA/FDD U-8743

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USSR
Sci - Chemistry, biochemistry; Biology

Aug 56 GTS/DEX

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Extraction and Fractionation of Glycogen From Brain Tissue, by S. I. Khaykina, L. S. Krachko, 15 p.

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SLA 59-17417

Sci
Jan 60
Vol 2, No 9

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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The Glucose and Glycogen of the Brain in Animals Under Raised Oxygen Pressure, by Z. G. Bronovitskaya, N. S. Shapovalova, 8 p.

RUSSIAN, per, Ukrayins'kyy Biokhimichnyy Zhurnal, 1957, Vol XXIX, pp 20-24.

SLA 59-17418

Sci
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A Study of Certain Peculiarities of Protein Metabolism in the Gray and White Matter of the Brain in Cats, by E. M. Kravchinskiy, T. P. Silich, 17 p.

RUSSIAN, per, Ukrayinskyy Biokhimichnyy Zhur, 1957, Vol XXIX, pp 25-31.

SLA 59-14436

Sci
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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

Effect of Narcosis on the Ascorbic Acid and Adrenalinm Content of the Adrenals, Brains and Liver in Animals, by E. I. Lipovetskaya.

RUSSIAN, per, Ukrain Biokhim Zhur, Vol XXIX, No 2, 1957, pp 131-141.

SIA R-4618

Sci - Med
Oct 58

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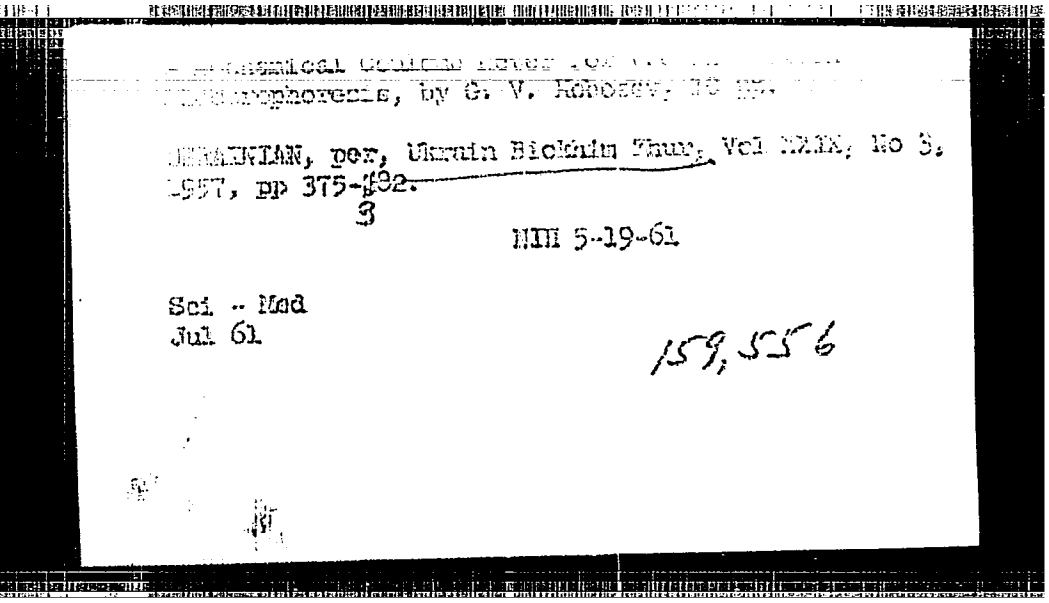

[illegible] Chemical Control [illegible]
[illegible]nophoresis, by G. V. Romoser, 10 pp.

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NIH 5-19-61

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Macowschi, E., Schelarin, K. and other.
PHOSPHATASE, CHOLINESTERASE AND CYTOCHROMOXIDASE ACTIVITY OF THE INTRACELLULAR FORMATIONS IN THE RAT BRAIN WITH VARIOUS FUNCTIONAL STATES. [1962] [12]p.
23 refs.
Order from OTS or SLA $1.60 62-14702

Trans. of [Ukrayins'kyi Biokhimichnyi Zhurnal] (USSR) 1958, v. 30, no. 1, p. 18-25.

DESCRIPTORS: *Phosphatases, *Cholinesterase, *Cytochrome oxidase, Rats, *Brain, Nervous system, Inhibition, Excitation, Metabolism.

Tests were made to determine if changes in the functional state of the nervous system may induce in the brain a change in the interrelationships between enzymes and the intracellular formations on which they are fixed. (Biological Sciences--Biochemistry, TT, v. 9, no. 3)
(over)

62-14702

I. Macowschi, E.
II. Schelarin, K.

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(2290-S)

Peculiarities of Nucleoprotoid Complexes in Rabbit Lungs After Irradiating the Animals With Sublethal Doses of X-Rays, by O. P. Gaponenko, I. Yu. Khilobok, 12 pp.

UKRAINIAN, Ukrayins'kyy Biokhimichnyy Zhurnal, Vol XXX, No 2, 1958, pp 200-209.

JPRS L-659-S

Sci - Med
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(2290-N)

Incorporation of Radioactive Methionine S^{35} In The Proteins of the Mk-8 Blood Substitute Preparation in Vitro, by M. Yu. Penkrashova, 8 pp.

UKRAINIAN, per, Ukrayins'kyy Biokhimichnyy Zhurnal, Vol XXX, No 2, 1958, pp 212-216.

JPRS L-660-N

Sci - Med
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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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(2290-H)

Conference on Questions of the Chemical Basis of Genetics, by N. I. Sylakova, 3 pp.

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JPRS L-661-H

Bol - Mbl
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On the Effect of Starvation on Brain Proteins, by A. V. Palladin, N. M. Polyakova, E. P. Gotovtseva, 13 p.

RUSSIAN, per. Ukrayin Biokhim Zhur, 1958, Vol XXX, No 3, pp 323,-331.

SLA 59-17434

Sci
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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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Data on the Comparative Biochemistry of Humans and Simians, by V. S. Asatiani, 15 pp.

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US/JPRS/NY-L-411

Sci - Biology

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Alimova, E. K., Bolgova, G. D. and others.
SOME PROPERTIES OF BRUCELLA LIPIDS. [1961]
[7]p. 1 ref.
Order from OTS or SLA $1.10 61-23653

Trans. of Ukrayins'kyi Biokhimichnyi Zhurnal (USSR)
1958, v. 30, no. 4, p. 506-512.

DESCRIPTORS: *Brucella, *Lipids, *Microbiology, *Spectrographic analysis, Biochemistry, *Organic solvents, *Evaporation, Ethanols, Ethers, Benzenes, Chloroform, Esters, Cholesteral, Phosphorus, Arabinose, Ribose, Ribulose, Xylose.

Cells of 3-day and 30-day cultures of Br. suis, Br. abortus, and Br. Melitensis were used. The free lipids were extracted by ethyl alcohol, ether, acetone, anhydrous ethyl alcohol, benzene, and chloroform. The remaining residue of the bacterial mass was
(Biological Sciences--Microbiology, TT, v. 7, no. 7)
(over)

61-23653

I. Alimova, E. K.
II. Bolgova, G. D.
III. Translations, New York

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Effect of Body Temperature on the Decomposition of the Energetic Resources of the Brain on Death, by M. S. Gayevskaya, 10 pp.

RUSSIAN, per, Ukrain Biokhim Zhur, Vol XXX, No 4, 1958, pp 513-520.

BLA 60-18423

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On the Metabolism of Phosphorus Compounds
in the Brain of Healthy and Tuberculous
Guinea Pigs With Various Typological Features,
By Z. Z. Kharakter, 9 pp.

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No 4, 1958, pp 521-528.

SLA 60-18417

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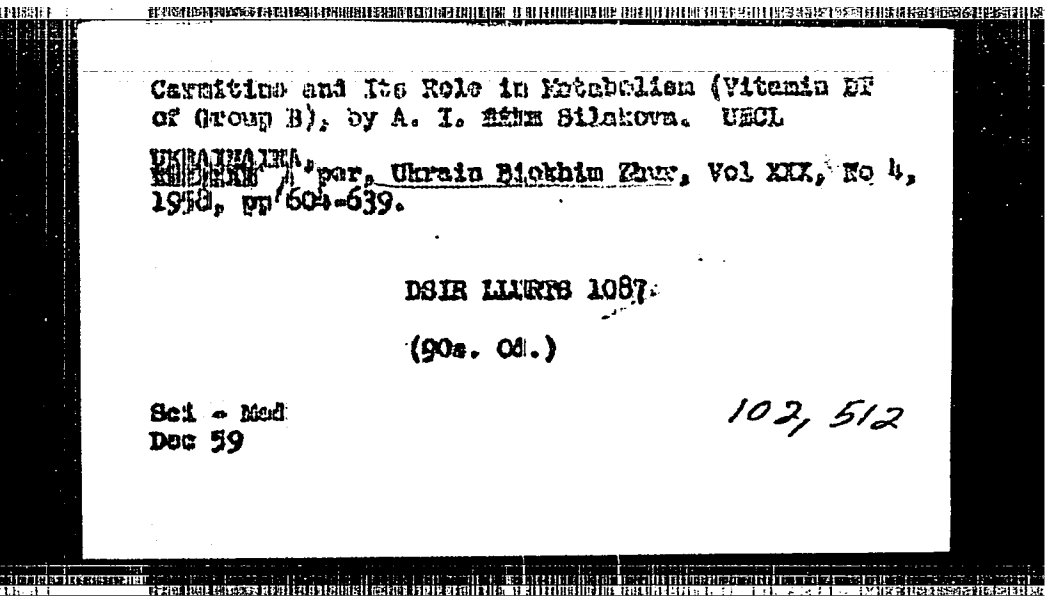

Carnitine and Its Role in Metabolism (Vitamin BT of Group B), by A. I. [illegible] Silakova. USCL

UKRAINSKA [illegible] par, Ukrain Biokhim Zhur, Vol XXX, No 4, 1958, pp 604-639.

DSIR LLURB 1087

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Sci - Med
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Intensity of Protein Renewal in the Blood, Brain and Cerebellum of Rabbits on Artificial Cooling and Aminazine Narcosis, by I/ P. Mityev.

RUSSIAN, per, Ukrain Biokhim Zhur, Vol XXX, No 5, 1958, pp 643-651.

SLA 60-18424

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(NY-2376)

Changes in the Physico-Chemical and Biological Properties of Proteins Successively Irradiated With Various Kinds of Radiation, by M. A. Kolomiychenko, 12 pp.

UKRAINIAN, per, Ukrains'kiy Biokhim Zhur, Vol XXX, No 6, 1958, pp 803-812.

JPRS L-767-N

Sci - Med, Radiology
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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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On the ATP, Creatine Phosphate and Lactic Acid Contents in the Brain and Muscles of Rabbits in Hypothermal States, by Z. M. Stutman, 9 pp.

RUSSIAN, per, Ukrain Biokhim Zhur,
Vol XXX, No 6, 1958, pp 852-859.

BLA 60-18421

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Effect of Sodium Bromide on Nitrogen Metabolism in the Brain, by A. I. Safarov, K. B. Khalilov, 6 pp.

RUSSIAN, per, Ukrain Biokhim Zhur, Vol XXX, No 6, 1958, pp 850-864.

SLA 60-18420

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Glutamic Decarboxylase of Dysentery Bacteria, by Au. V. Galayev.

UKRAINIAN, per, Ukrain'skyi Biokhim Zhur, Vol XXX, No 6, 1958, pp 880-887. CIA 9071080

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S-5200 (DC-2382)

Editorial, 3 pp.

UKRAINIAN, per, Ukrains'kyy Biokhimichnyy Zhur,
Vol XXXI, No 1, 1959, Kiev, pp 3, 4.

JPRS-L-1765-D

Sci - Miscellaneous
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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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Application of Agar-Agar Electrophoxretic Method to Isolation of Soluble Proteins, by A. V. Palladin, N. M. Polyakova, 11 pp.
UKRAINIAN, per, Ukrain Biokhim Zhur, Vol XXXI, No 3, 1959, pp 307-311.
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NMS 875

Sci - Biol & Med
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Intensity of Methionine S35 Incorporation Into the Nuclear and Cytoplasmic Proteins of Cat Brain Tissue, by Y. V. Belik, I L. S. Krachko, 11 pp.

RUSSIAN, per, Ukrayinskyy Biokhim Zhur, Vol XXXI, No 3, 1959, pp 322-329.

SLA 60-18419

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Peculiarities of the Exchange of Phosphorus Compounds in the Rabbit Organism During Aminasine Action With Cooling, by Z. M. Stutman, 10 pp.

RUSSIAN, per, Ukrain Biokhim Zhur.
Vol XXXI, No 3, 1959, pp 405-413.

SLA 60-18422

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According to Sinusotomy Data in Excitation
of the Central Nervous System Activity,
by V. R. Soroka, 12 pp.

RUSSIAN, per, Ukrain Biokhim Zhur, Vol XXXI,
No 3, 1959, pp 435-443.

SLA 60-18510

Sci
Vol IV, No 11
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Guanase Activity in the Tissue of Healthy and Tumorous Animals, by V. P. Korotkoruchko, 11 pp.

RUSSIAN, per, Ukrain Biokhim Zhur, Vol XXXI, No 4, 1959, pp 481-488.

SLA 60-18416
OTS 62-14744

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(DC-5411)

Effect of Galascorbine and Thiamine on the Recovery of Injured Muscles, by T. V. Fetisova, E. F. Shemray, 8 pp.

UKRAINIAN, per, Ukrayins'kyy Biokhimi[illegible]
Vol XXXI, No 4, Sept-Oct 1959, pp 562-568.

JPRS 8054

Sci - Med

Apr 61

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New Location of Compsopogon Chalybaeus Kutz, in Ukraine, by O. M. Palamar, 5 pp.
RUSSIAN, per, Ukrayinskyi Botanichnyi Zhur, Vol 31, No 5, 1959, pp 81-83.
NLL 7s 6d RRB-2251
NCL-203 121

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Effect of Serotonine on the Incorporation of the Radioactive Trace Into CNS Proteins of Intracranial Introduction of MethioNine S35 and Glycine C14, by E. M. Krawczynski, 6 pp.

RUSSIAN, per, Ukrain Biokhim Zhur,
Vol XXXI, No 5, 1959, pp 665-670.

SLA 60-18415

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Effect of a-Pinene of Oxygen Absorption and Glutathione Activity in the Rat Brain in Experiments in Vivo, by M. M. Epshteyn, 6 pp.

RUSSIAN, per, Ukrainskiy Biokhim Zhur, Vol XXXI, No 5, 1959, pp 751-755.

SLA 60-18531

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Sci
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S-104/60 (NY-3661).

The Effect of Iodination of the Stability of the Macrostructure of Egg Albumin, by V. Lobachevs'ka, 9 pp.

UKRAINIAN, per, Ukrain Biokhim Zhur, Vol XXXI, No 6, Kiev, 1959, pp 799-806.

JPRS 5003

Sci - Chem
Jul 60

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

Mison-Crighel, Nella, Constantinescu, Elisabeta, and Crighel, E.
THE EFFECT OF THE PRECONVULSIVE FUNCTIONAL STATE UPON THE DEVELOPMENT OF A CONVULSIVE ATTACK AND UPON THE BIOCHEMICAL CHANGES CAUSED BY CONVULSIONS. [1962] [12]p. (2 figs. omitted) 17 refs.
Order from OTS or SLA $1.60 62-14689

Trans. of Ukr[ayins'kyi] Biokh[imichnyi] Zhurn[al] (USSR) 1959, v. 31, no. 6, p. 834-848.

DESCRIPTORS: *Brain, *Metabolism, Glycogen, Lactic acid, *Convulsions, Biochemistry, Inhibition, Adenosine phosphates, Electroencephalography.

A state of stimulation in rats caused by an injection of four mg of sodium benzoic caffeine per 100 g of body weight produces an irregular curve on the EEG with rapid waves of a frequency of 25-30 y/c, predominat-
(Biological Sciences--Pathology, TT, v. 8, no. 6)(over)

62-14689

I. Mison-Crighel, N.
II. Constantinescu, E.
III. Crighel, E.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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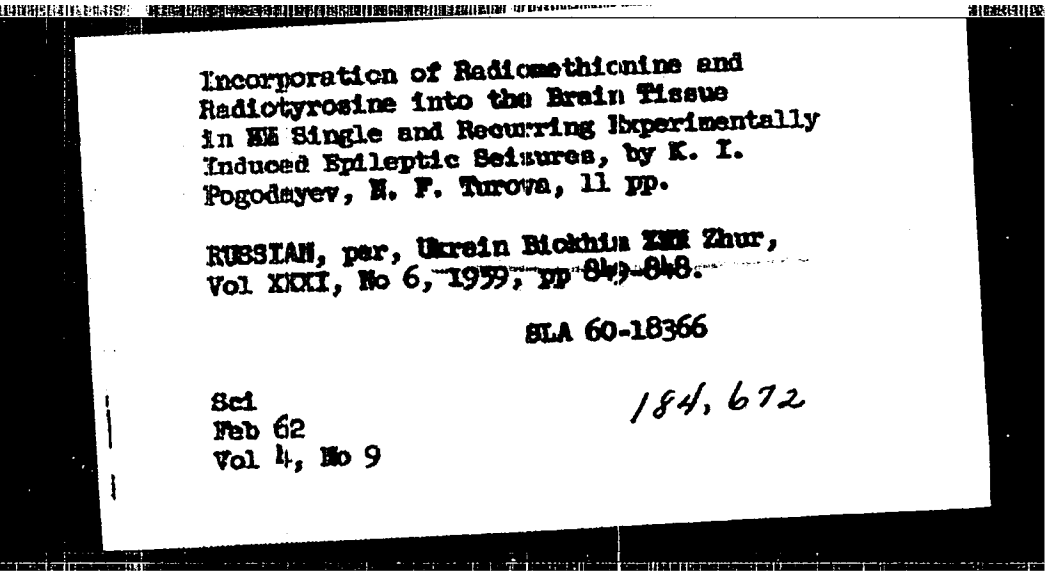

Incorporation of Radiomethionine and Radiotyrosine into the Brain Tissue in ~~EE~~ Single and Recurring Experimentally Induced Epileptic Seizures, by K. I. Pogodayev, N. F. Turova, 11 pp.

RUSSIAN, par, Ukrain Biokhim ~~ZHK~~ Zhur, Vol XXXI, No 6, 1959, pp 843-848.

SLA 60-18366

Sci
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Skvirskaya, E. B. and Babii, T. P.
COMPARATIVE DATA ON THE NUCLEIC ACID COMPOSITION IN THE NERVOUS SYSTEM OF COWS [1962] [9]p. 19 refs.
Order from OTS or SLA $1.10 62-14763

Trans. of Ukr[ayins'kyi] Biokh[imichnyi] Zhurn[al] (USSR) 1959, [v. 31] no. 6, p. 859-867.

DESCRIPTORS: *Nucleic acids, *Nervous system, Cattle, *Brain, Nerves, Paper chromatography, Ultraviolet spectroscopy.

The method of quantitative paper chromatography in conjunction with ultraviolet spectrophotometry was applied to a study of the nucleic acid composition in nervous system tissues. RNA, derived from the brain and peripheral nerve tissues of cows is typified by different composition (different molar ratios of the various nitrogenous components and a different coefficient of specificity). The tissue and nuclear RNA's

(over)

62-14763

I. Skvirskaya, E. B.
II. Babii, T. P.

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S-104/60 (NY-3661).

The Effect of Ionizing Radiation on the Lipid Composition of the Blood and Liver of the Rat, by V. V. Nikol'skiy, N. A. Nakolayeva, L. M. Chumakova, 7 pp.

UKRAINIAN, per, Ukrain Biokhim Zhur, Vol XXXI, No 6, Kiev, 1959, pp 877-882.

JPRS 5004

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

Effect of Vitamin B_6 Antagonists (Toxo-Pyrimidine and Isonicotinyl Hydrazine) on the Contents of NH_3, Glutamine, Glutamic and γ-Aminobutyric Acids in the Rat Brain, by Yu. V. Bukin, 6 pp.

RUSSIAN, per, Ukrayins'kyy Biokhim Zhur, Vol. XXXI, No 6, 1959, pp 906-911.

SLA 60-18365

Sci
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Conversions of Phosphoric Acid Esters of Choline, Ethanolamine, and Serine in the Brain, by P. A. Kometiani, L. K. Tkeshelashvili, 30 pp.

UKRAINIAN, per, Ukrain Biokhim Zhur, Vol XXXI, No 6, Kiev, 1959, pp 913-936.

JPRS 5005

Language Ser Ch
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Sci - Chem
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Bukin, Yu. V.
ON THE CONVULSIVE AND LETHAL ACTION OF VITAMIN B_6 ANTAGONISTS (TOXOPYRIMIDINE AND ISONICOTINYL HYDRAZIDE). [1962] [10]p. 18 refs.
Order from OTS or SLA $1.10 62-25113

Trans. of Ukrayins'kyi Biokhimichnyi Zhurnal (USSR) 1960, v. 32 [no. 1] p. 67-76.

DESCRIPTORS: *Convulsions, *Poisoning, Inhibition, *Vitamin B complex, *Pyrimidines, Toxicity, *Isoniazid, Drugs, Glutamic acid, Arginine.

When rats are intoxicated with toxopyridimine, the administration of pyridoxal, even in the latest stages of intoxication, suppresses convulsions and prevents the lethal outcome of the intoxication. In contrast to toxopyridimine intoxication, acute intoxication of rats by isonicotinyl hydrazide cannot be suppressed or elimi-
(Biological Sciences--Toxicology, TT, v. 9, no. 6)
(over)

62-25113

II. Bukin, Yu. V.
II. Translations, New York

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Tsiperovich, O. S. and Loseva, A. L.
ROLE OF AMINO GROUPS IN THE MACROSTRUCTURE OF PROTEIN. [1962] [13]p. 28 refs.
Order from OTS or SLA $1.60 62-33270

Trans. of Ukrayns'kyi Biokhimichnyi Zhurnal (USSR) 1960 [v. 32] no. 4, p. 491-506.

DESCRIPTORS: *Amines, *Molecular structure, Proteins, *Plasma proteins, Biochemisty, Trypsin, Trypsinogen, Egg white.

(Biological Sciences--Biochemistry, TT, v. 9, no. 6)

62-33270

I. Tsiperovich, O. S.
II. Loseva, A. L.
III. Translations, New York

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Mestechkina, A. Ya.
SOME CHEMICAL CHANGES IN THE BRAIN UNDER THE EFFECT OF TUMORS. [1962] [18]p. 15 refs.
Order from OTS or SLA $1.60 62-14762

Trans. of Ukr[ayins'kyi] Biokh[imichnyi] Zhurn[al] (USSR) 1960, v. 32, no. 3, p. 381-391.

DESCRIPTORS: *Brain, Chemical analysis, *Tumors, Water, Nitrogen, Phosphorus, *Cerebrospinal fluid.

In the white matter of the human brain located close to a tumor the water content increases as observed in macroscopic experiments with oedema and swelling. At the same time the content of total nitrogen and phosphorus, the precipitate nitrogen and the acid-sol. phosphorus content of total nitrogen and phosphorus, the precipitate nitrogen and the acid-sol. phosphorus content, computed on the dry matter, increases. With the method of centrifugion we were
(Biological Sciences--Biochemistry, TT, v. 8, no. 9)
(over)

62-14762

I. Mestechkina, A. Ya.

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(DC-4319).

Seventh
Coordination Conference on the Problem "Biochemistry of the Nervous System", by Ya. V. Belik, 2 pp

UKRAINIAN, per, Ukrainskiy Biokhimichnyy Zhur, Vol XXXII, No 3, 1960, pp 483-484.

*JPRS 6046

Sci-Chem

19 Aug 60

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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(NY-5431)

First Conference on the Study of Nucleic Acids and Nucleo-Proteins, by O. P. Chepinoga, E. B. Skvyrs'ka, 9 pp.

RUSSIAN, per, Ukrain Biokhim Zhur, Vol XXXII, No 4, 1960, pp 614-618.

JPRS 7460

Sci - Biol

Feb 61

139, 089

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

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Polyakova, N. M., Belik, Y. V., and Tsaryuk, L. A. PROTEINASE IN FUNCTIONALLY DIFFERENT DIVISIONS OF THE CENTRAL NERVOUS SYSTEM AND IN VARIOUS STRUCTURAL ELEMENTS OF THE BRAIN CELLS. [1962] [8]p.
Order from OTS or SLA $1.10 63-10173

Partial trans. (table only) of Ukrayins'kyi Biokhimichnyi Zhurnal (USSR) 1960, v. 32, no. 5, p. 623-634.

DESCRIPTORS: *Peptide hydrolases, *Nervous system, *Brain, *Spinal cord, *Cells (Biology), Cerebral cortex, Cerebellum, Microsomes, Biochemistry.

(Biological Sciences--Biochemistry, TT, v. 9, no. 12)

63-10173

I. Polyakova, N. M.
II. Belik, Y. V.
III. Tsaryuk, L. A.

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(NY-5689/1)

Effect of Radiant Energy on Changes in the Aldolase Activity and the SH groups of Myogen A, by M. A. Kolomiychenko, I. P. Stasevs'ka, 9 pp.

UKRAINIAN, per, Ukrayins'kyy Biokhim Zhur, Vol XXXII, No 5, 1960, pp 645-652.

JPRS 7983

Sci - Med

Apr 61

147,237

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

(MY-5689/2)

On Certain Physico-Chemical Properties of Proteins of Blood Serum During Malignant Growth, by V. P. Korotkoruchko, 15 pp.
per;
UKRAINIAN, Ukrayins'kyy Biokhimichnyy Zhurnal, Vol XXXII, No 5, 1960, pp 655-666.

JPRS 9005

Sci - Med

Apr 61

147,239

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(NY-5689/3)

Age Changes in the Intensity of Radiomethionine Incorporation in the Proteins of the Crystalline Lens, by Ye. V. Cherevychna, I. I. Chykalo, 6 pp.

UKRAINIAN, per, Ukrayins'kyy Biokhim Zhur, Vol XXXII, No 5, 1960, pp 678-681.

JPRS 7984

Sci - Med

147,230

Apr 61

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

Epstein, M. M. and Khilko, O. K.
THE EFFECT OF α-PINENE ON CARBON DIOXIDE PHOSPHORUS-METABOLISM. [1962] [7]p. 15 refs.
Order from OTS or SLA $1.10 63-10170

Partial trans. (tables, figs. refs. conclusion only) of Ukr[aylns'kyi] Biokh[imichnyi] Zhurn[al] (USSR) 1960, v. 32, no. 5, pp. 710-715.

DESCRIPTORS: Toxicity, *Heptenes, *Carbon dioxide, Phosphorus, *Metabolism, Glycogen, Liver, Muscles, Brain, *Oxygen consumption, *Phosphorylation, Adenosine phosphates, Biochemistry.

Prolonged administration of α-pinene (70 to 80 days) leads to an increase in the amount of glycogen in liver tissue of animals (an average increase of 21%) and in the skeletal muscles of rats (an average increase of 131%). No marked differences in quantity (Biological Sciences--Biochemistry, TT, v. 9, no. 1?) (over)

63-10170

1. Title: Pinene
I. Epstein, M. M.
II. Khilko, O. K.

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62-33087

Veremeenko, K. N.
DEPRESSION OF TRYPSIN ACTIVITY BY BLOOD PLASMA. [1962] [11]p. 24 refs.
Order from OTS or SLA $1.60 62-33087

Trans. of Ukrayins'kyi Biokhimichnyi Zhurnal (USSR) 1960, v. 32, no. 6, p. 793-807.

DESCRIPTORS: *Trypsin, *Drugs, Pharmacology, Inhibition, *Blood plasma, *Enzymes, Decomposition, Proteins, Fever, Therapy.

The present article supports the conception that the binding of trypsin by the inhibitors in the plasma is reversible and that this complex tends to dissociate. The antifebrile action of trypsin is based on the decomposition of certain proteins or peptides, which have a strong affinity for the enzyme.

(Biological Sciences--Pharmacology, TT, v. 9, no. 7)

I. Veremeenko, K. N.
II. Translations, New York

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

62-20315

Pogodaev, K. I. and others.
PROTEIN METABOLISM IN BRAIN TISSUES DURING RECURRING EPILEPTIC FITS. [1962] [23]p. 47 refs.
Order from OTS or SLA $2 60 62-20315

Trans. of Ukr[ayins'kyi] Biokh[imichnyi] Zhurn[al] (USSR) 1960, v. 32, no. 6, p. 805-822.

DESCRIPTORS: *Proteins, *Metabolism, *Brain, *Tissues (Biology), Convulsions, *Epilepsy

The intensity of protein metabolism in the brain of animals depends on the number and frequency of repeated convulsive attacks, induced by electricity: if attacks are frequently repeated without leading to deep exhaustion the metabolic processes are carried out more intensively than under normal circumstances and under conditions of a few repetitions only, taking into account at the same time the condition following convulsive attacks, which is characterized by an essentially
(Biological Sciences--Pathology, TT, v. 9, no. 11) (over)

62-20315

I. Pogodaev, K. I.

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Udintsev, N. A.
EFFECT OF GLUTAMIC ACID ON THE ACTIVITY OF CERTAIN TISSUE ENZYMES UNDER THE CONDITION OF HYPOXIA AND PHYSICAL EFFORT.
[1962] [11]p. 24 refs.
Order from CTS or SLA $1.60 63-10174

Trans. of Ukrayins'kyi Biokhimichnyi Zhurnal (USSR) 1960, v. 32, no. 6, [p. 857-866].

DESCRIPTORS: *Glutamic acid, Tissues (Biology), Enzymes, *Hypoxia, *Exercise, Hydrolases, Oxidoreductases, Cytochrome oxidase, Biochemistry.

The injection of glutamic acid under conditions of hypoxia intensifies the activity of some enzymes associated with tissue respiration, namely cytochromoxidase, glutamicodehydrogenase, and lacticodehydrogenase. In physical effort of short
(Biological Sciences--Biochemistry, TT, v. 9, no. 12)
(over)

63-10174

I. Udintsev, N. A.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300890021-5

Kotkova, K. I., Orlovskaya, N. N., and Enevich, T. F.
PHOTOSENSITIZED OXIDATION OF EGG ALBUMIN AMINO ACIDS AND CHANGES IN THE MACRO-STRUCTURE OF ITS MOLECULE. [1962] [9]p. 18 refs.
Order from OTS or SLA $1.10 63-13033

Trans. of Ukrayins'kyi Biokhimichnyi Zhurnal (USSR) 1961 [v. 33] no. 1, p. 3-13.

DESCRIPTORS: Photosensitivity, Oxidation, *Albumins, *Eggs, *Amino acids, Photochemistry, Molecular structure, Proteins.

It was found that in photosensitized oxidation of egg albumin by methylene blue under conditions of weakly alkaline reaction (pH 8.1--8.3) cysteine and histidine are oxidized more rapidly, tyrosine and tryptophan (Biological Sciences--Biochemistry, TT, v. 10, no. 4)
(over)

63-13033

I. Kotkova, K. I.
II. Orlovskaya, N. N.
III. Enevich, T. F.
IV. Translations, New York

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Gubenko, T. L.
OBTAINING GAMMA-GLOBULIN FROM PLACENTAL SERUM BY THE RIVANOL-ALCOHOL METHOD UNDER PRODUCTION CONDITIONS. [1962] [8]p. 17 refs.
Order from OTS or SLA $1.10 63-13034

Trans. of Ukrayins'kyi Biokhimichnyi Zhurnal (USSR) 1961, v. 33, no. 1, p. 14-21.
Another trans. is available from ATS $8.50 as ATS-29P60U [1962] 6p.

DESCRIPTORS: *Blood proteins, Preparation, *Fetal membranes, *Serum, Gamma globulin, Alcohols.

A combined Rivanol-alcohol method is recommended for obtaining gamma-globulin from placental serum. Employing the Rivanol-alcohol method makes it possible: (1) to cut the fractionation time to less than half of that required with the alcohol method; (2) to increase the
(Biological Sciences--Biochemistry, TT, v. 9, no. 11)
(over)

63-13034

1. Title: Rivanol-alcohol method
I. Gubenko, T. L.
II. Translations, New York

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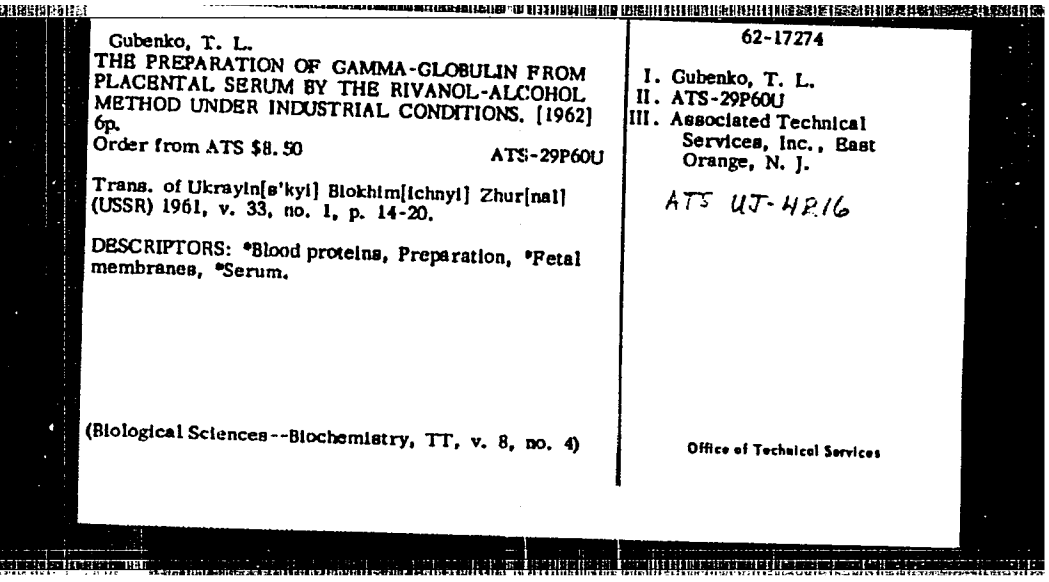

Gubenko, T. L.
THE PREPARATION OF GAMMA-GLOBULIN FROM PLACENTAL SERUM BY THE RIVANOL-ALCOHOL METHOD UNDER INDUSTRIAL CONDITIONS. [1962] 6p.
Order from ATS $8.50 ATS-29P60U

Trans. of Ukrayin[s'kyi] Biokhim[ichnyi] Zhur[nal] (USSR) 1961, v. 33, no. 1, p. 14-20.

DESCRIPTORS: *Blood proteins, Preparation, *Fetal membranes, *Serum.

(Biological Sciences--Biochemistry, TT, v. 8, no. 4)

62-17274

I. Gubenko, T. L.
II. ATS-29P60U
III. Associated Technical Services, Inc., East Orange, N. J.

ATS UJ-4P.16

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